

What is claimed is:

1. A punch press comprising:

a plurality of upper metal molds;

a plurality of lower metal molds for machining a workpiece in cooperation with the upper metal molds, the lower metal molds corresponding to the upper metal molds;

an upper turret for accommodating the plurality of upper metal mold;

a lower turret for accommodating the plurality of lower metal molds;

a motor for rotationally driving each of the upper turret and the lower turret; and

a controller for controlling the motor,

wherein the controller selects one of the plurality of lower metal molds corresponding to a selected one of the plurality of upper metal molds in accordance with the kind of workpiece, to perform the machining.

2. The punch press according to claim 1, wherein the plurality of lower metal molds corresponding to a selected one of the plurality of upper metal molds have different clearances from each other.

3. The punch press according to claim 1, wherein the motor comprises a first motor for driving the upper turret and

a second motor for driving the lower turret.

4. The punch press according to claim 1, wherein the upper turret is provided with a notch used in exchanging one of the plurality of lower metal molds.

5. A machining method using a punch press, including:
selecting an upper metal mold for machining a workpiece;
selecting one of a plurality of lower metal molds having different clearances, the lower metal molds mounted on a turret, in accordance with the upper metal mold and the workpiece; and
machining the workpiece in cooperation of the upper metal mold and the selected one of the lower metal molds.